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System Sciences, 2005. HICSS '05. Proceedings of the 38th Annual Hawaii International Conference on , 03-06 Jan. 2005

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Martin, A.;

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1 [Location-aware mobile applications based on directory services](#)

Henning Maass

 August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2

Full text available: pdf(421.47 KB)

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Location-aware applications are becoming increasingly attractive due to the widespread dissemination of wireless networks and the emergence of small and cheap locating technologies. We developed a location information server that simplifies and speeds up the development of these applications by offering a set of generic location retrieval and notification services to the application. The data model and the access protocols of these services are based on the X.500 directory service and the I ...

2 [XML transactions: Efficient synchronization for mobile XML data](#)

Franky Lam, Nicole Lam, Raymond Wong

 November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**

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Many handheld applications receive data from a primary database server and operate in an intermittently connected environment these days. They maintain data consistency with data sources through synchronization. In certain applications such as sales force automation, it is highly desirable if updates on the data source can be reflected at the handheld applications immediately. This paper proposes an efficient method to synchronize XML data on multiple mobile devices. Each device retrieves and cac ...

Keywords: XML, information dissemination, information subscription, path containment

3 [iMobile EE: an enterprise mobile service platform](#)

Yih-Farn Chen, Huale Huang, Rittwik Jana, Trevor Jim, Matti Hiltunen, Sam John, Serban Jora, Radhakrishnan Muthumanickam, Bin Wei

 July 2003 **Wireless Networks**, Volume 9 Issue 4

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iMobile¹ is an enterprise mobile service platform that allows resource-limited mobile devices to communicate with each other and to securely access corporate contents and services. The original iMobile architecture consists of devlets that provide protocol interfaces to different mobile devices and infolets that access and transcode information based on device profiles. iMobile Enterprise Edition (iMobile EE) is a redesign of the original iMobile architecture to address the security, ...